



Product Evaluation

WIN2222 | 0617

Engineering Services Program

The following product has been evaluated for compliance with the wind loads specified in the International Residential Code (IRC) and the International Building Code (IBC).

This product evaluation is not an endorsement of this product or a recommendation that this product be used. The Texas Department of Insurance has not authorized the use of any information contained in the product evaluation for advertising, or other commercial or promotional purpose.

This product evaluation is intended for use by those individuals who are following the design wind load criteria in Chapter 3 of the IRC and Section 1609 of the IBC. The design loads determined for the building or structure shall not exceed the design load rating specified for the products shown in the limitations section of this product evaluation. This product evaluation does not relieve a Texas licensed engineer of his responsibilities as outlined in the Texas Insurance Code, the Texas Administrative Code, and the Texas Engineering Practice Act.

For more information, contact TDI Engineering Services Program at (800) 248-6032.

Evaluation ID: WIN-2222

Effective Date: June 1, 2017

Re-evaluation Date: July 2019

Product Name: Series SH-6100 Single Hung Vinyl Window, Impact Resistant

Manufacturer: Custom Window Systems, Inc.
1900 SW 44th Ave.
Ocala, FL 34474
(352) 368-6922

General Description:

System	Description	Label Rating	Design Pressure Rating
1	Series SH-6100 Oriel Single Hung Window	LC-PG50 53x76-SH Missile Level D	+/-50 psf
2	Series SH-6100 PVC Single Hung Window	LC-PG50 53x76-H Missile Level D	+/-50 psf

Product Dimensions:

System	Overall Size	Operating Sash	Fixed Daylight Opening
1	53-1/8" x 76"	49-15/16" x 30-1/8"	49-1/16" x 42-3/16"
2	53-1/8" x 76"	49-15/16" x 37-1/4"	49-1/16" x 34-5/16"

Product Identification (Certification Label on Window):

System		
1	Certification Agency	Keystone
	Manufacturer's Name or Code Name	CAR 138-1352 Air/Water/Structural, CAR 138-559 Impact
	Product Name	6100 Oriel Impact Single Hung
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-08, ASTM E 1886-05, ASTM E-1996-09, Missile Level D
2	Certification Agency	Keystone
	Manufacturer's Name or Code Name	CAR 138-1356 Air/Water/Structural, CAR 138-561 Impact
	Product Name	6100 PVC Impact Single Hung
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-08, ASTM E 1886-05, ASTM E-1996-05/09, Missile Level D

Impact Resistance:

System	Impact Resistant	Requirement
1-2	Yes	These products satisfy TDI's criteria for protection from windborne debris in the Inland I and Seaward zone. Install the assemblies at a height on the structure that does not exceed the design pressure rating for the assemblies.

Acceptance of Smaller Assemblies: Window assemblies with dimensions equal to or smaller than those specified are acceptable with the limitations specified in this report.

Installation:

System	Impact Resistant	Requirement
1-2	Type of Installation	Install the windows in accordance with Custom Window Systems drawings No. TDI-1106, System 1, Sheets 1 through 6 of 6. TDI-1068, System 2, Sheets 1 through 5 of 5. Drawings dated December 17, 2015, both signed, sealed and dated on September 29, 2016 by Lucas A. Turner, P.E.
	Wall Framing	
	Fasteners	
	Fastener Location/Spacing	
	Fastener Penetration	

Note: Keep the manufacturer's installation instructions available on the job site during installation. Use corrosion resistant fasteners as specified in the IRC, the IBC, and the Texas Revisions.